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September 7, 1978THE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D. C. 20231A.I. & T.M. OFFICE
RECEIVEDRE: New Application - Case No. 31374
Title: Dual Channel Delay Sensing Circuit
Inventor: Arent H. Kits van Heyningen

SEP 11 1978

GROUP

"LICENSING & REVIEW"

Sir:

The following United States Patents deal with sonar systems generally, and disclose sonar transducers and the processing of signals obtained from the transducers. These patents are:

*checked
RAH*

Patent No.

3,404,560 7/67.5
3,686,658 3/40/261
3,723,953 3/40/3R
3,747,053 3/40/3R
3,763,465
3,922,634

enclosed

Inventor

Kaule
Wilt
Scheer
Austin
Tatge
Warner

Tatge and Warner are representative of the foregoing art and more closely resemble the system of the invention; copies of Tatge and Warner are enclosed. Tatge shows, in his Figure 2, a sonar transducer array with correlation of signals from various parts of his array. However, he does not show the comparison of a temporal relationship between the leading and trailing edges of two signals of the instant invention. Warner shows, in his Figure 1 a dual channel hydrophone system and a coincidence detector (item 32), but fails to show the comparison of a temporal relationship between the leading and trailing edges of two signals of the instant invention. Accordingly, the claims of this application are believed to be allowable over the foregoing art.

Respectfully submitted,

David M. Warren

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Attorney for the Applicant

DMW:df
Enclosures